

WHAT IS CLAIMED IS:

1. A substrate having a fine line, wherein said fine line comprises plural recesses arranged at intervals not exceeding 200 μm , at least in a
5 part in the longitudinal direction of said fine line.
2. A substrate according to claim 1, wherein said plural recesses are arranged in a
10 direction crossing the longitudinal direction of said fine line.
3. A substrate according to claim 1, wherein the distance between the end of said fine
15 line and a recess adjacent to said end does not exceed 200 μm in a direction passing through said plural recesses and perpendicular to the longitudinal direction of said fine line.
- 20 4. A substrate according to claim 1, wherein said recess has a thickness not exceeding 15 μm .
5. A substrate according to claim 1,
25 wherein said recess is a groove extending in the longitudinal direction of said fine line.

6. A substrate according to claim 1,
wherein said fine line is a wiring.

7. A substrate according to claim 1,
5 wherein said recess does not extend from a lateral
end of said fine line to the other lateral end
thereof in a direction crossing the longitudinal
direction of said fine line.

10 8. A substrate according to claim 1,
wherein said fine line is obtained by providing the
substrate with paste-like material and then heating
said material.

15 9. A substrate having a fine line, wherein
said fine line comprises a recess at least in a
part of said fine line and has a width at least
equal to 200 μm in a direction passing through said
recess and perpendicular to the longitudinal
20 direction of said fine line.

10. A substrate having a fine line, wherein
said fine line comprises plural recesses arranged
in a direction crossing the longitudinal direction
25 of said fine line, in at least a part in the
longitudinal direction of said fine line.

11. An electron source comprising a substrate according to any of claims 1 to 10 and an electron-emitting device, wherein said fine line is used as a wiring for driving said electron-emitting
5 device.

12. An image display apparatus comprising a substrate according to any of claims 1 to 10, an electron-emitting device and a phosphor for
10 emitting light by electrons emitted by said electron-emitting device, wherein said fine line is used as a wiring for driving said electron-emitting device.